



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/812,707

DATE: 07/27/2004

TIME: 12:25:56

Input Set : A:\pto.lm.TXT

Output Set: N:\CRF4\07272004\J812707.raw

3 <110> APPLICANT: Liew, Choong-Chin
 5 <120> TITLE OF INVENTION: Method for the Detection of Allergies Related Gene
 Transcripts in Blood

7 <130> FILE REFERENCE: 4231/2055N
 9 <140> CURRENT APPLICATION NUMBER: 10/812,707
 10 <141> CURRENT FILING DATE: 2004-03-30
 12 <150> PRIOR APPLICATION NUMBER: US 10/802,875
 13 <151> PRIOR FILING DATE: 2004-03-12
 15 <150> PRIOR APPLICATION NUMBER: US 10/601,518
 16 <151> PRIOR FILING DATE: 2003-06-20
 18 <150> PRIOR APPLICATION NUMBER: US 10/268,730
 19 <151> PRIOR FILING DATE: 2002-10-09
 21 <150> PRIOR APPLICATION NUMBER: US 10/085,783
 22 <151> PRIOR FILING DATE: 2002-02-28
 24 <150> PRIOR APPLICATION NUMBER: US 09/477,148
 25 <151> PRIOR FILING DATE: 2000-01-04
 27 <150> PRIOR APPLICATION NUMBER: US 60/271,955
 28 <151> PRIOR FILING DATE: 2001-02-28
 30 <150> PRIOR APPLICATION NUMBER: US 60/305,340
 31 <151> PRIOR FILING DATE: 2001-07-13
 33 <150> PRIOR APPLICATION NUMBER: US 60/275,017
 34 <151> PRIOR FILING DATE: 2001-03-12
 36 <150> PRIOR APPLICATION NUMBER: US 60/115,125
 37 <151> PRIOR FILING DATE: 1999-01-06
 39 <160> NUMBER OF SEQ ID NOS: 112
 41 <170> SOFTWARE: PatentIn version 3.2

43 <210> SEQ ID NO: 1

44 <211> LENGTH: 110

45 <212> TYPE: DNA

46 <213> ORGANISM: Human

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57 <213> ORGANISM: Human

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63 <223> OTHER INFORMATION: n is a, c, g, or t

65 <220> FEATURE:

66 <221> NAME/KEY: misc_feature

67 <222> LOCATION: (19)..(19)

(pg. 6-8)

ENTERED

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Input Set : A:\pto.lm.TXT

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312 <222> LOCATION: (412)..(413)

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/812,707

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Input Set : A:\pto.lm.TXT
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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 Seq#:2; N Pos. 422,424,426,433,439,442,452,460,463,471,495,500,504,516
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 Seq#:5; N Pos. 91,102,117,127,128,169,172,192,203,243,244,248,249,253,283
 Seq#:5; N Pos. 288,299,318,327,334,348,359,360
 Seq#:6; N Pos. 475,556,559,585,606,644,671,693,695,714,742,744,756,765,768
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 Seq#:14; N Pos. 6,15,37,38,47,56,57,94,127,155,157
 Seq#:16; N Pos. 5,15,39,47,52,69,154,207,217
 Seq#:17; N Pos. 18,19,27,47,66,76,82,108,133,162,210,260,276
 Seq#:19; N Pos. 17,40,59,76,107,165,189,216,221,230
 Seq#:21; N Pos. 17,23,28,36,41,44,53,59,62,67,70,71,74,76,79,83,84,86,97
 Seq#:22; N Pos. 2,17,37,52,53,56,77,85,89,96
 Seq#:23; N Pos. 17,19,27,28,29,37,38,46,49,65,72
 Seq#:24; N Pos. 5,13,71,88,91,109,157,177,199,207,211
 Seq#:26; N Pos. 299,333,353,410,411,460,474,479
 Seq#:27; N Pos. 348,422,435,476,490
 Seq#:28; N Pos. 18,47,59,74,138,174,176,211
 Seq#:29; N Pos. 1,2,12,29,34
 Seq#:30; N Pos. 3,4,5,6,8,13,15,20,27,32,33,40,49,50,57,63,67,69,76,78,87
 Seq#:30; N Pos. 89
 Seq#:31; N Pos. 12,26,46,49,55,60,63,69,70,73,79,92,96
 Seq#:32; N Pos. 2,7,27,34,57,63,64,67,73,75,76,77,78,80,90,96,97,98
 Seq#:33; N Pos. 5,12,28,32,38,44,57,68,76,82,92
 Seq#:34; N Pos. 3,21,27,28,38,47,50,53,61,73,78,83,85,97
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 Seq#:37; N Pos. 7,10,53,61,65,66,72,74,75,89,94,100,107,126,141
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 Seq#:42; N Pos. 14,31,36,63,73,93,98
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 Seq#:46; N Pos. 74
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 Seq#:47; N Pos. 99,100
 Seq#:48; N Pos. 5,6,33,35,36,42,46,48,55,59,69,81,87,91,94,97
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Seq#:50; N Pos. 113,115,117,121,123,125,128,142,144,160,174,175,180,181,186
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Seq#:50; N Pos. 358,361,367,382,389,395,410,413,414,418,425,436,443
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Seq#:52; N Pos. 13,14,17,20,22,27,29,31,36,43,46,58,59,74,78,81,85,87,88,90
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Seq#:52; N Pos. 679,689,695,698,711,720
Seq#:53; N Pos. 13,15,37,42,44,45,50,57,58,59,70,74,80
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Seq#:56; N Pos. 4
Seq#:69; N Pos. 356
Seq#:70; N Pos. 26
Seq#:71; N Pos. 5,19,29,38,42,45,49,61,77,79,88,90,100,110
Seq#:72; N Pos. 151
Seq#:73; N Pos. 7,16,233
Seq#:74; N Pos. 31,32,57
Seq#:76; N Pos. 11,35,37,38,43,56,67,71,75
Seq#:77; N Pos. 6,11
Seq#:78; N Pos. 11,20,24,31,38,53,61,62,66,83,84,92,109,115,146,153,166
Seq#:79; N Pos. 10,20,29,30,35,49,92
Seq#:80; N Pos. 9,88,98,105,107,127,142,147,161,166,167,171,180,196,206
Seq#:81; N Pos. 22,33,34,39
Seq#:82; N Pos. 13,16,33,46,47,78,82,83,121
Seq#:83; N Pos. 8,36
Seq#:84; N Pos. 30
Seq#:89; N Pos. 37,47,108,112,129,134,152,168,196,239
Seq#:91; N Pos. 326,338,339,344
Seq#:92; N Pos. 32,34
Seq#:94; N Pos. 5,25,38,39,44,46,59,66,70,74,80,82,83,84,86,90,91,92,112
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Seq#:95; N Pos. 384,391,398,400
Seq#:96; N Pos. 171,622,628,642,661,668,694,709,710,735,751,752,763,778,782

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Seq#:96; N Pos. 786,788,798
Seq#:98; N Pos. 17
Seq#:99; N Pos. 8,361
Seq#:100; N Pos. 8,39,50,56,71,72,97,110,177
Seq#:101; N Pos. 121

VERIFICATION SUMMARY

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L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:60
L:390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:120
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:180
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:240
L:396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:300
L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:360
L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:420
L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:480
L:610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:60
L:614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:120
L:616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:180
L:618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:240
L:620 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:300
L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:420
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:540
L:752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:600
L:754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:660
L:756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:720
L:758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:780
L:855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:420
L:859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:540
L:861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:600
L:863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:660
L:963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:60
L:967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:120
L:1045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:1047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:60
L:1049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:120
L:1051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:180
L:1121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:1123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:60
L:1125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:120
L:1127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:180
L:1129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:240
L:1212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:1214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:60
L:1216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:120
L:1218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:180
L:1330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:1332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:60
L:1387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:1389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:60
L:1439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:1441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:60
L:1506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0

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L:1508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:60
L:1510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:120
L:1512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:180
L:1584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:240
L:1586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:300
L:1588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:360
L:1590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:420
L:1637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:300
L:1641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:420
L:1643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:480
L:1693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:1695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:60
L:1697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:120
L:1699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:180
L:1729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:1826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:1828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:60
L:1898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:1900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:60
L:1970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:60
L:2037 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:2039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60
L:2114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:2116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:60
L:2171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:2173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:60
L:2238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:2240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:60
L:2317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:2319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:60
L:2321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:120
L:2361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:2363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:60
L:2408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:2410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:60
L:2432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:60
L:2496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:2498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:60
L:2593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:2595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:60
L:2665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:2667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:60
L:2684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:60
L:2779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:2781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:60
L:2861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:2863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:60
L:2943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0

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L:2947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:120
L:2949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:180
L:2951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:240
L:2953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:300
L:2955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:360
L:2957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:420
L:3317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:3319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:60
L:3321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:120
L:3323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:180
L:3325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:240
L:3327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:300
L:3329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:360
L:3331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:420
L:3421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:3423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:60
L:3427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:180
L:3429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:240
L:3431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:300
L:3435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:420
L:3899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0
L:3901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:60
L:3903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:120
L:3905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:180
L:3907 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:240
L:3909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:300
L:3911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:360
L:3913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:420
L:3915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:480
L:3917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:540
L:3919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:600
L:3921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:660
L:3983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
L:3985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:60
L:4060 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
L:4062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:60
L:4064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:120
L:4079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0
L:4338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:300
L:4355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0
L:4451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0
L:4453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:60
L:4474 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:120
L:4509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
L:4515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:180
L:4545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0
L:4616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0
L:4618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:60
L:4648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:0

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L:4741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:0
L:4743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:60
L:4745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:120
L:4793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:0
L:4795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:60
L:4877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:0
L:4879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:60
L:4881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:120
L:4883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:180
L:4908 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
L:4967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
L:4969 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:60
L:4971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:120
L:5001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0
L:5020 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:0
L:5166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0
L:5168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:60
L:5170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:120
L:5172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:180
L:5226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:300
L:5248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:0
L:5670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:0
L:5672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:60
L:5674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:120
L:5676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:180
L:5678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:240
L:5680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:300
L:5682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:360
L:5684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:420
L:5686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:480
L:5981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:0
L:5983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:60
L:5985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:120
L:5987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:180
L:5989 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:240
L:5991 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:300
L:5993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:360
L:6087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:120
L:6103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:600
L:6105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:660
L:6107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:720
L:6109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:780
L:6143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:0
L:6165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:0
L:6177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:360
L:6231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:0
L:6233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:60
L:6235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:120
L:6262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:120